

**THE NETHERLANDS  
(N E D E R L A N D)****COMMUNICATION**Concerning <sup>(1)</sup>:

- ~~approval granted~~
- approval extended
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

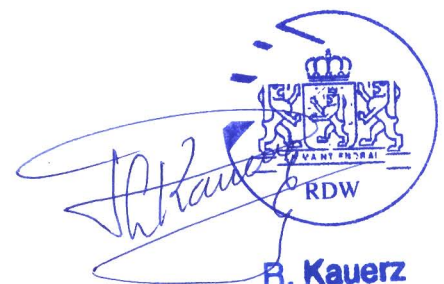
of a type of direction indicator pursuant to Regulation number 6.

**Approval number: E4-6R-0110955****Extension number: 01**

1. Trade name or mark of the device : DEPO
2. Manufacturer's name for the type of device : DEPO 442-1131R/L-NHD  
FK 442-1131R/L-NHD
3. Manufacturer's name and address : DEPO AUTO PARTS INDUSTRIAL CO., LTD.  
No. 20-3, Nanshi Ln., Tounan Vil.,  
505 – Lugang Township, Changhua County,  
Taiwan, R.O.C.
4. If applicable, name and address of the manufacturer's representative : Not applicable
5. Submitted for approval on : March 26, 2013
6. Technical service responsible for conducting approval tests : TÜV Rheinland Kraftfahrt GmbH  
Technologiezentrum Verkehrssicherheit  
Typprüfstelle Fahrzeuge/Fahrzeugteile  
Postfach 91 09 51  
D-51101 Köln / Germany
7. Date of test report issued by that service : May 9, 2013
8. Number of test report issued by that service : 84-R6-00396/13
9. Concise description :



Category	: 1/1a/1b/2a/2b/5/6 <sup>(1)</sup>
Number, category	: One PY21W
Voltage and wattage	: 12V/21W
Light source module specific identification code	: Not applicable
Only for installation on M <sub>1</sub> and/or N <sub>1</sub> category vehicles	: <del>Yes</del> /no <sup>(1)</sup>
Only for limited mounting height of equal to or less than 750 mm above the ground	: <del>Yes</del> /no <sup>(1)</sup>
Geometrical conditions of installation and relating variations, if any	: Refer to the drawing of the information folder
Application of an electronic light source control gear/variable intensity control	: Not applicable
(a) being part of the lamp	: <del>Yes</del> /no <sup>(1)</sup>
(b) being not part of the lamp	: <del>Yes</del> /no <sup>(1)</sup>
Input voltage(s) supplied by an electronic light source control gear/variable intensity control	: Not applicable
Electronic light source control gear/variable intensity control manufacturer and identification number (when the light source control gear is part of the lamp but is not included into the lamp body)	: Not applicable
Variable luminous intensity	: <del>Yes</del> /no <sup>(1)</sup>
10. Position of the approval mark	: On the housing of the lamp
11. Reason(s) for extension (if applicable)	: (1) Modification of location of the approval mark (2) Modification of manufacturer's address
12. Approval	: <del>Granted</del> /extended/ <del>refused</del> / <del>withdrawn</del> <sup>(1)</sup>
13. Place	: Zoetermeer
14. Date	: 22-MAY-2013
15. Signature	:



16. The list of documents deposited with the Administrative Service which has granted approval is annexed to this communication and may be obtained on request.

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<sup>(1)</sup> Strike out what does not apply.

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

## TEST REPORT

according to ECE-Regulation

### Uniform provisions concerning the approval of direction indicators for power-driven vehicles and their trailers

No.: **ECE-R6**

including all amendments until

No.: **01 series of amendments, suppl. 22**

Previously granted	
ECE - approval	: E4-6R-0110955

Structure of report:

0. General information
1. Test object(s) and general test information
2. Test minutes
3. Remark concerning tested object(s)
4. Appendices
5. Statement of conformity

The Test Report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

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## 0. General information

- 0.1. Trade mark or trade name of the lamp : DEPO
- 0.2. Manufacturer's name for the type of the lamp : DEPO 442-1131R/L-NHD  
FK 442-1131R/L-NHD
- 0.3. Name and address of the manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.  
No. 20-3, Nanshi Ln., Tounan Vil.,  
505 – Lugang Township, Changhua County,  
Taiwan, R.O.C.
- 0.4. Name and address of the manufacturer's authorised representative : Not applicable
- 0.5. No. of information document : 442-1131 R/L-NHD-01  
date of issue : December 17, 2004  
date of last amendment : March 26, 2013

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

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## 1. Test object(s) and general test information

### 1.1. Test object(s)

- Identification no. : Not applicable
- Model : 442-1131R/L-NHD
- Remark : Front direction indicator, category 1

### 1.2. General test information

- 1.2.1 Order issued by : --  
(if different from manufacturer)
- 1.2.2 Test object received on : --
- 1.2.3 Test date : March 26, 2013
- 1.2.4 Test site : Taipei / Taiwan
- 1.2.5 Remark : The results of the test refer exclusively to the objects mentioned under point 1.1. of this report.

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

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## 2. Test minutes

**2.1. Test facilities** : The measurement equipment used was in compliance with the test requirements.

**2.2. Test results** : The lamp type has been tested according to the amendments mentioned in appendix 0.

Markings : The trade mark is marked clearly legible and indelible on the outer lens of the lamp.

The filament lamp type is clearly legible and indelible marked on the housing of the lamp.

Space for the approval mark and for the additional symbols is provided on the housing of the lamp.

**2.3. General specifications** : The lamp is designed and made that under normal use their satisfactory operation is ensured and they retain the required characteristics.

The colour of the light emitted inside the field of the light distribution grid defined in paragraph 2 of Annex 4 is amber.

The filament lamp holder conforms to the characteristics stated in the IEC publication 60061.

**2.4. Photometric tests** : The light emitted was obtained by means of the standard lamp(s) as specified in the information document, producing the required luminous flux.

The light distribution angles and levels of intensity have been measured in accordance with Annex 4 of the Regulation, based on the manufacturer's indication of the centre of reference and axis of reference.

In case of different intensities of light emitted required by the Regulation, the evaluations are based on the most unfavourable limits specified.

Type : 442-1131R/L-NHD  
 Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

Results of photometric tests of the direction indicator, category 1

distribution of the intensity of the lamps in [cd]								
horizontal angle		L20°	L10°	L5°	V	R5°	R10°	R20°
vertical angle required minimum intensity	U10°			35		35		
	U5°	17.5	35		122.5		35	17.5
	H		61.25	157.5	175	157.5	61.25	
	D5°	17.5	35		122.5		35	17.5
	D10°			35		35		
vertical angle sample no. 1 (left side)	U10°			133.0		130.8		
	U5°	20.3	136.7		223.2		199.7	163.6
	H		138.8	197.1	206.6	207.3	203.3	
	D5°	18.9	92.7		124.7		133.2	121.2
	D10°			36.1		45.9		
vertical angle sample no. 2 (right side)	U10°			145.1		143.1		
	U5°	22.1	144.7		233.8		209.4	173.5
	H		140.0	197.0	208.2	207.3	201.8	
	D5°	18.7	90.5		122.3		125.1	121.0
	D10°			34.0		44.2		

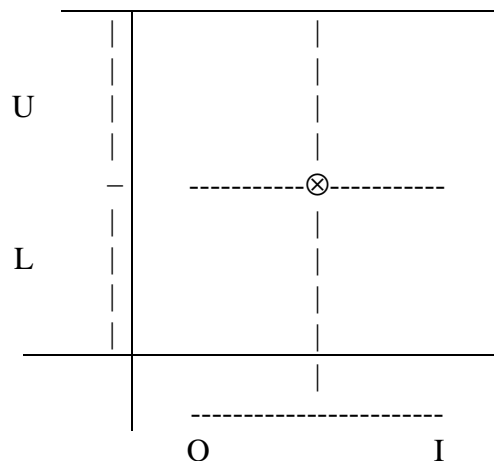
	sample no. 1	sample no. 2	allowable maximum	required minimum
maximum intensity [cd]	228.0	233.8	1000	--
minimum intensity in the field defined in Annex 1 of the Regulation [cd]	0.70	1.20	--	0.3

The light distribution is substantially uniform. The light intensity is within the limits in the fields described in §6 and Annex 4 of the Regulation.



Type : 442-1131R/L-NHD  
 Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

**2.5. Illuminating surface** : Vertical and horizontal outlines of the illuminating surface of the light-signalling device in relation to the centre of reference and in accordance with Annex 3 of the Regulation ECE-R48.



function	upper boundary (U) [mm]	lower boundary (L) [mm]	outer boundary (O) [mm]	inner boundary (I) [mm]
front direction indicator	28	32	21	35

**2.6. Explanatory note** : This report describes the examination of the direction indicator as a part of a lamp device.

For the examination of the other lamp of the device, refer to the following report:

Type of lamp	Test Report No.
Headlamp	84-R112-00395/13
Front position lamp	84-R7-00397/13

**2.7. Variants and components** : Not applicable

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

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### 3. Remark concerning tested object(s)

All versions of the lamp type as stated in the information document are covered with the tested lamp version(s) and test object(s) respectively.

### 4. Appendices

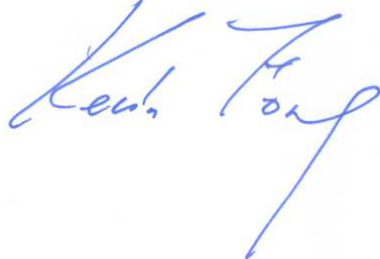
#### 0 List of modifications

1 Information folder No. : 442-1131 R/L-NHD-01 (1 page)  
(excluding drawings)

### 5. Statement of conformity

The above mentioned information folder and the type described in that comply with the requirements mentioned on page 1.

Engineering Center Guangdong, May 9, 2013  
KWU/KFO



M.S.M.E. K. Fong

Type : 442-1131R/L-NHD  
Manufacturer : DEPO AUTO PARTS INDUSTRIAL CO., LTD.

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**List of modifications**

**Appendix 0**

**Correction of** :

**Modification of** : - Location of the approval mark (delete the marking on the outer lens)  
- Manufacturer's address  
- The supplement status of the Regulation (up to supplement 22)

**Addition of** : --

**Deletion of** : --

**Application Type: 442-1131R/L-NHD****Extension Application Date: March 26, 2013**

<b>Application regulation:</b>	ECE-R112-00 (class B for both traffic system) , ECE-R7-02, ECE-R6-01 (category 1)
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**1. Light Sources**

Function	Light Color	Rated Voltage	Rated Wattage	Category (ECE-R37)
Passing lamp	White	12V	55W	H7
Driving lamp	White	12V	55W	H7
Front direction indicator	Amber	12V	21W	PY21W
Function	Light Color	Rated Voltage	Rated Wattage	Light Source
Front position lamp	White	12V	16.1W	7x2.3W bulbs (with silver painting on the tips)

**2. Construction and Material**

Construction	Material	Remark
Outer lens	PC: LEXAN/LS2-112	Coating: HH9986U-N3, colourless
Inner lens (Passing lamp)	Glass	Colourless
Inner lens (Front position lamp)	PPC	Colourless
Inner lens (Front direction indicator)	PC	Clear
Housing	PP	
Reflector (Passing lamp)	SPCC	Aluminum vacuum coated
Reflector (Driving lamp, Front position lamp)	BMC	Aluminum vacuum coated
Reflector (Front direction indicator)	HTV	Aluminum vacuum coated
Subreflector (Passing lamp)	PPC	Aluminum vacuum coated

**3. The locations of the trade mark(s), the lamp designation mark(s) and the approval mark(s) are indicated in the following drawing(s) attached:**

00\ 442-1131N1, 00\ 442-1131N2, 00\ 442-1131N3, 00\ 442-1131N4

**4. Name and address of manufacturer:**

DEPO AUTO PARTS IND. CO., LTD.

No. 20-3, Nanshi Ln., Tounan Vil.,

505 – Lugang Township, Changhua County, Taiwan, R.O.C.

#

**5. Name and address of representative of manufacturer:**

Not applicable

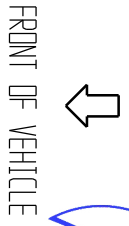
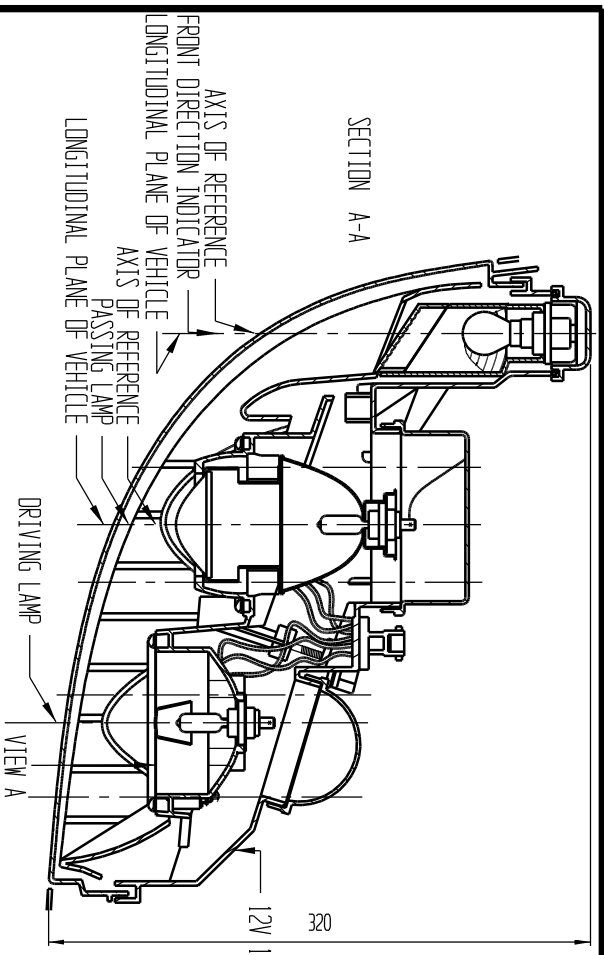
**6. Remarks**

Date: March 26, 2013

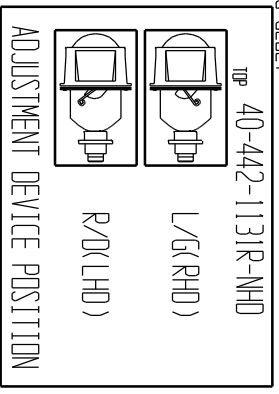
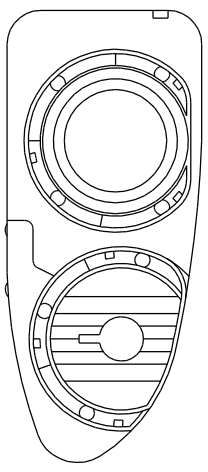
Place: Chang Hua

Person in charge: Chung-Neng Yang

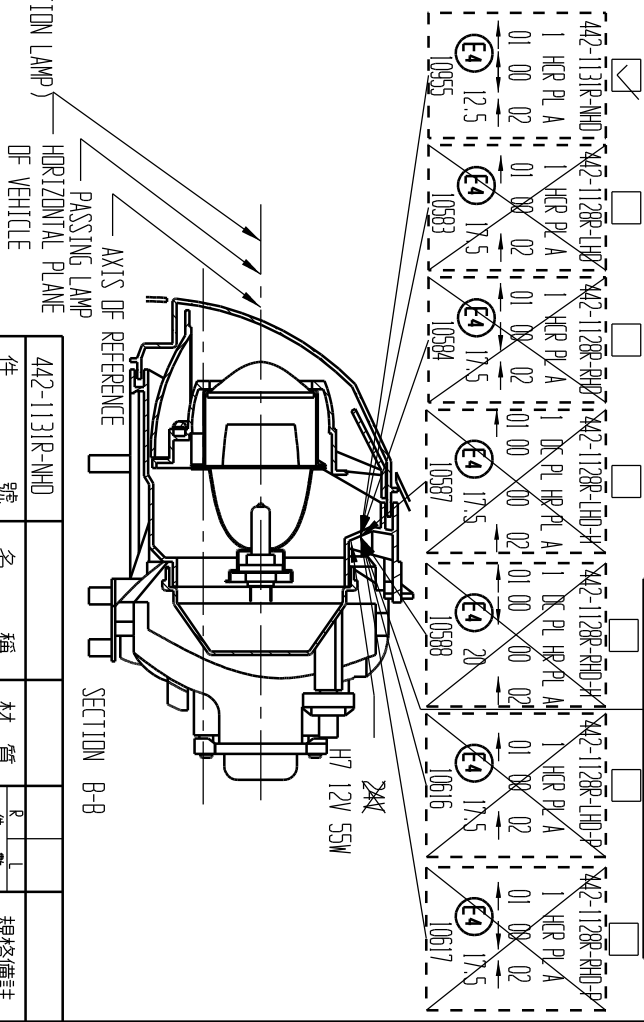
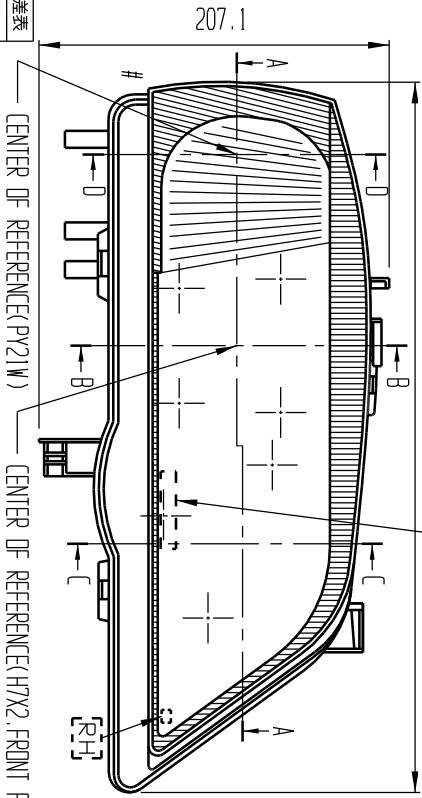




- NOTE:
1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC.
  2. THIS LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
  3. PART NO. OF PASSING BEAM'S REFLECTOR MIDDLE: 03-442-1131R-LE.
  4. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128NA.
  5. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
  6. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.



DEPO 442-1128R  
DEPO 442-1131R  
JK 442-1131R (OPTION)

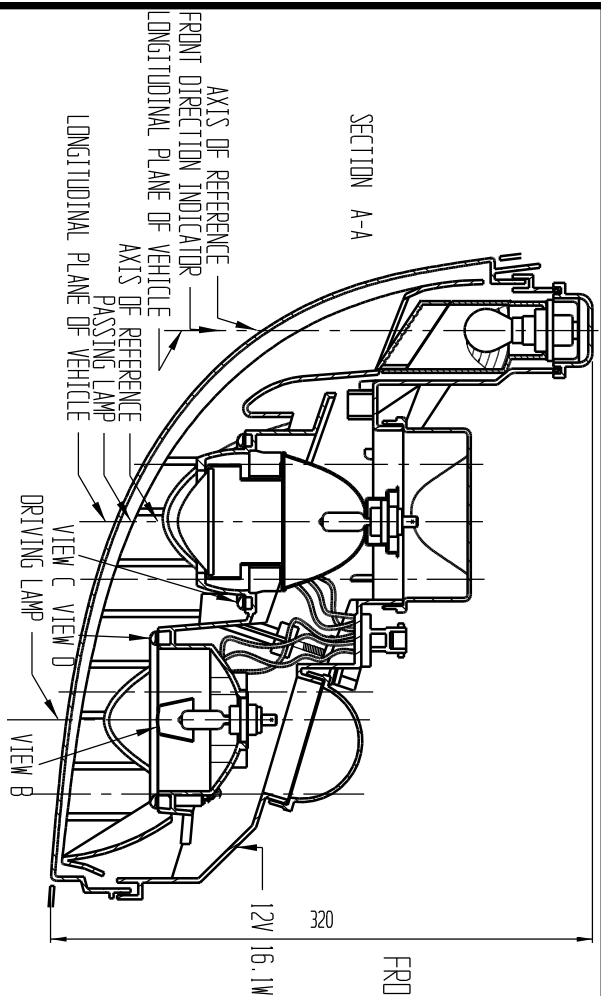


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01 00 02	01 00 02	01 00 02	01 00 02	01 00 02	01 00 02	01 00 02	01 00 02
E4 12.5	E4 17.5	E4 17.5	E4 17.5	E4 20	E4 17.5	E4 17.5	E4 17.5
10955	10983	10984	10987	10988	10916	10917	10617

一般尺寸	公差
6以下	±0.1
6~30以下	±0.2
30~120以下	±0.3
120~150以下	±0.5
150以上	±1.0

未註記公差者通用本表																			
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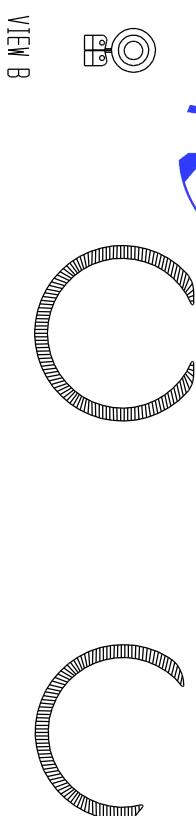
442-1131R-NHD	號	名	稱	材質	規格備註
製圖	彭煌淑	2013/03/20	投線法	第三角法	單位
設計				比例 0.32 : 1	MM
審核				圖名	頭燈組立圖
圖號				圖號	00\442-1131N1



FRONT OF VEHICLE

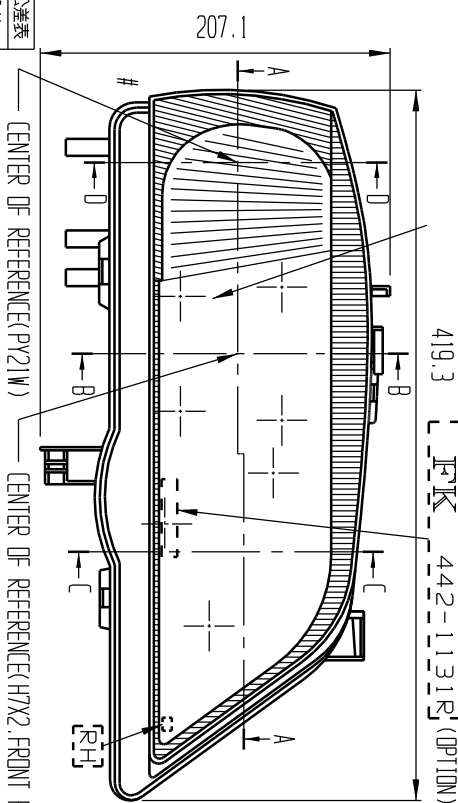


- NOTE:
1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC.
  2. THIS LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
  3. PART NO. OF PASSING BEAM'S REFLECTOR MODULE: 03-442-1131R-LE.
  4. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128NA.
  5. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
  6. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.

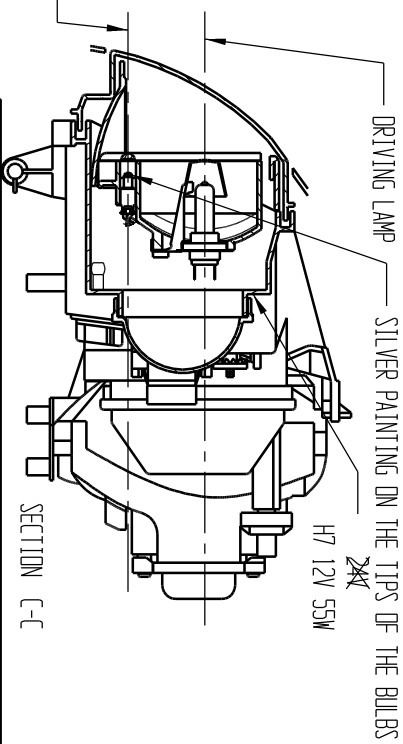


(INNER LENS OF FRONT POSITION LAMP) (INNER LENS OF FRONT POSITION LAMP)

DEPO 442-1128R  
DEPO 442-1131R  
HK 442-1131R (OPTION)



FRONT POSITION LAMP

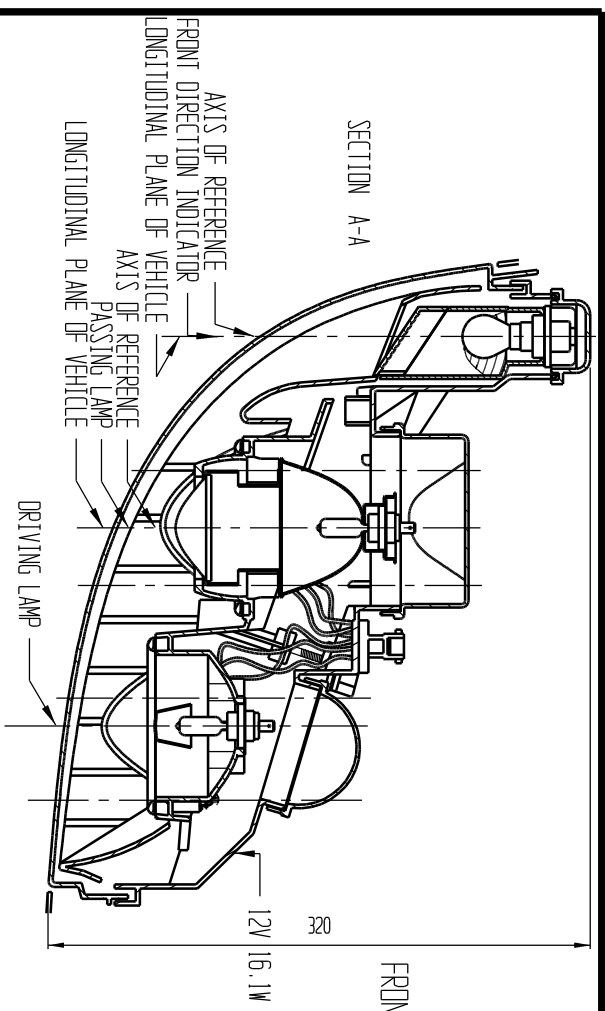


CENTER OF REFERENCE(P121W) CENTER OF REFERENCE(H1X2, FRONT POSITION LAMP)

機加工件一般尺寸公差表	公差
一般尺寸	±0.1
6以下	±0.2
6~30以下	±0.3
30~120以下	±0.5
120~150以下	±1.0
150以上	±1.0

版次	修改說明	日期	製訂	審查	核準

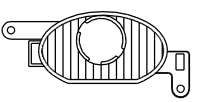
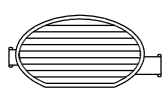
442-1131R-NHD	件號	名稱	材質	件數	規格備註
製圖	彭煌淑	2013/03/20	投影法	第三角法	單位
設計			比例	0.32 : 1	MM
審核			圖名	頭燈組立圖	
			圖號	00V442-1131N2	



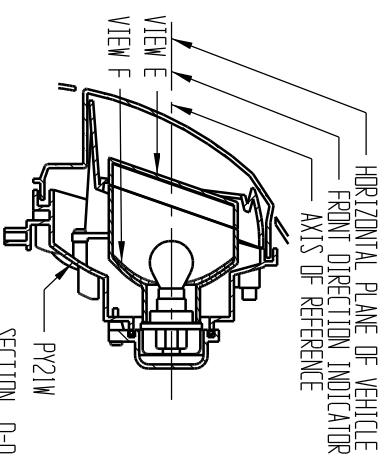
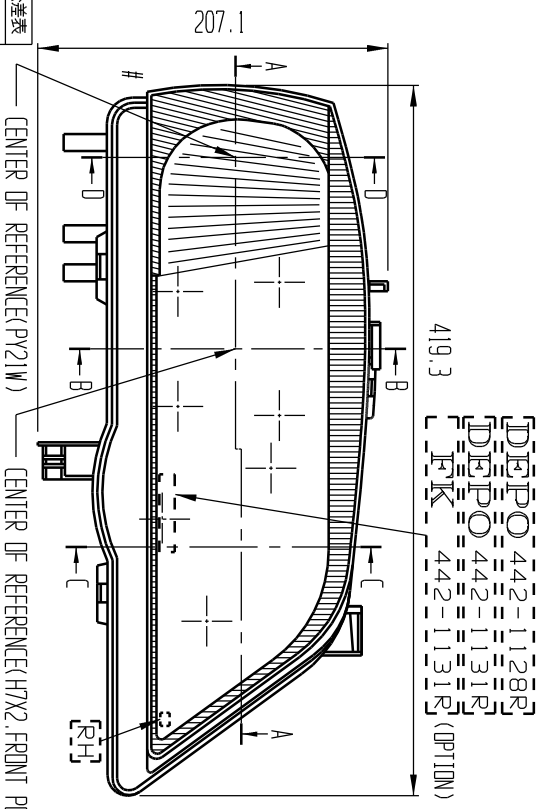
FRONT OF VEHICLE



- NOTE:
1. THIS DRAWING SHALL BE APPLIED FOR RIGHT HAND ONLY AND LEFT HAND SHALL BE SYMMETRIC.
  2. THIS LENS IS FIXED ON THE HOUSING BY USING GLUE AND CLIPS.
  3. PART NO. OF PASSING BEAM'S REFLECTOR MODULE: 03-442-1131R-LE.
  4. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128NA.
  5. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
  6. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.



VIEW F  
(REFLECTOR RIBBING)



SECTION D-D

機殼加工件一般尺寸公差表

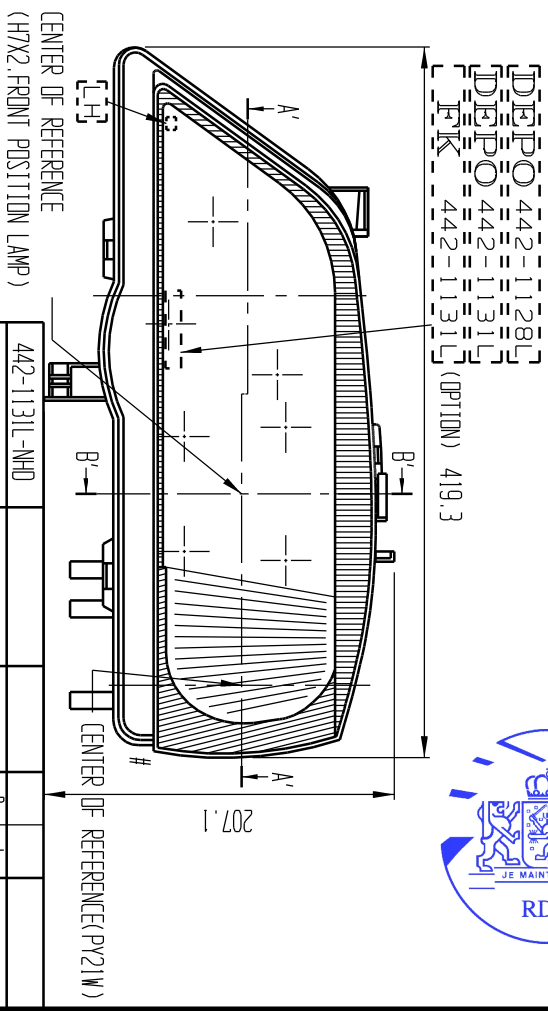
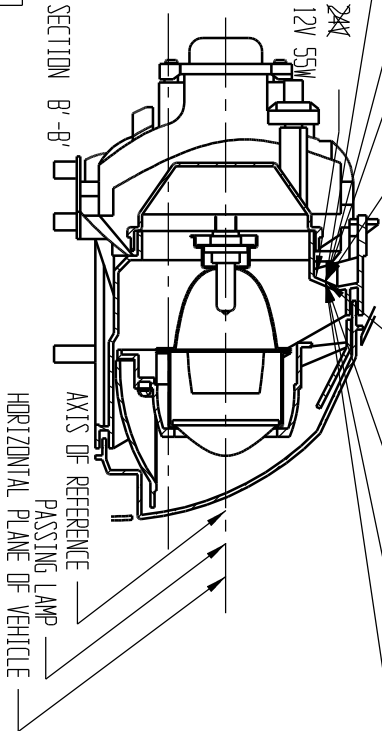
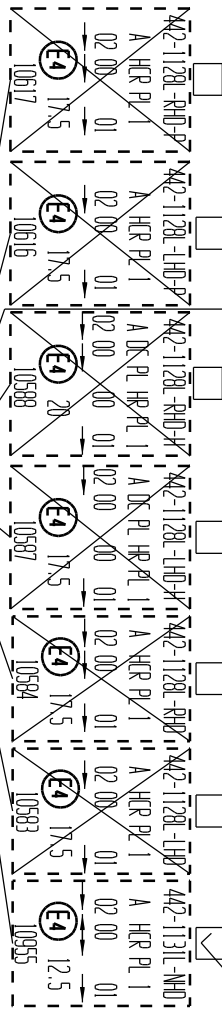
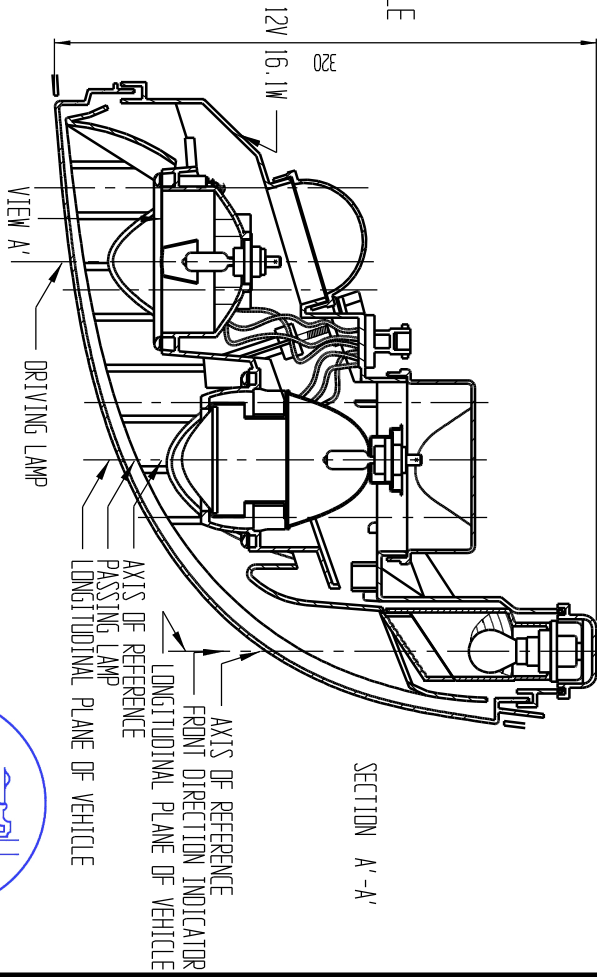
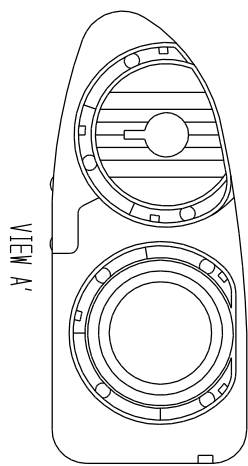
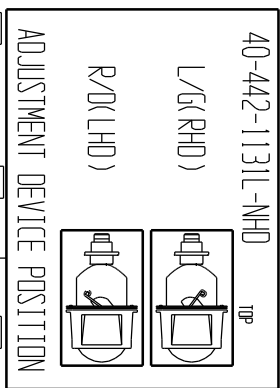
一般尺寸	公差
6以下	±0.1
6~30以下	±0.2
30~120以下	±0.3
120~150以下	±0.5
150以上	±1.0

未註記公差者通用本表

版次	修改說明	日期	製訂	審查	核准

442-1131R-NHD	號	名稱	材質	R	規格備註
製圖	彭煌淑	2013/03/20	投影法	第三角法	單位
設計			比例	0.32 : 1	MM
圖名			圖號	00\442-1131N3	

- NOTE:
1. THIS DRAWING SHALL BE APPLIED FOR LEFT HAND ONLY.
  2. PART NO. OF PASSING BEAM'S REFLECTOR MODULE: 03-442-1131L-LE.
  3. PART NO. OF INNER LENS OF PASSING BEAM: 14-216-1128MA.
  4. DIAMETER OF INNER LENS OF PASSING BEAM: 63mm.
  5. THE BULB HOLDER OF FRONT POSITION LAMP IS FIXED ON THE REFLECTOR BY USING GLUE.



一般尺寸	公差
6以下	±0.1
6~30以下	±0.2
30~120以下	±0.3
120~150以下	±0.5
150以上	±1.0

未註記公差者適用本表

版次	修改說明	日期	製訂	審查	核准

442-1131L-NHD	件號	名稱	材質	規格備註
442-1131L-NHD	442-1131L-NHD	442-1131L-NHD	442-1131L-NHD	442-1131L-NHD

製圖	彭煌淑	2013/03/20	投標法	第三角法	單位
設計			比例	0.32 : 1	MM
圖名	頭燈組立圖				
圖號	00442-1131M4				